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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

10/625,201

Filing Date

July 22, 2003

First Named Inventor

Jason Davis

Art Unit

2621

Examiner Name

Unknown

Attorney Docket Number

C03-002

### ENCLOSURES (Check all that apply)

- |   |   |   |
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| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance Communication to TC                            |
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Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Cognex Corporation		
Signature			
Printed name	Arthur J. O'Dea		
Date	7/20/2005	Reg. No.	42952

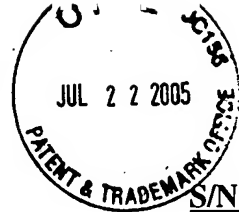
### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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Typed or printed name	Cheryl Sloane	Date	7/20/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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S/N 10/625,201

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Jason Davis et al.	Examiner:	Unknown
Serial No.:	10/625,201	Group Art Unit:	Unknown
Filed:	July 22, 2003	Docket:	C03-002
Title:	METHOD FOR PARTITIONING A PATTERN INTO OPTIMIZED SUB-PATTERNS		

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the referenced materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 03-2357 in order to have this Supplemental Information Disclosure Statement considered.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

In accordance with the Patent and Trademark Office's waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i), copies of the listed U.S. patents are not enclosed because the current application has been filed after June 30, 2003.

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Serial No :10/625,201

Filing Date: July 22, 2003

Title: METHOD FOR PARTITIONING A PATTERN INTO OPTIMIZED SUB-PATTERNS

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Dkt: C03-002

In accordance with the waiver of 37 C.F.R. § 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and publication for all U.S. national patent applications filed after June 30, 2003, only copies of the foreign references and other documents are enclosed.

Pursuant to 37 C.F.R. (a)(3)(i), a concise explanation of the relevance of each document listed that is not in the English language is provided as follows:

The reference by Jens-Rainer Ohm, entitled "Digitale Bildcodierung; section 6.2 Bewegungsschätzung," relates to pixel oriented procedures that generally describe image analysis methods based on image data content.

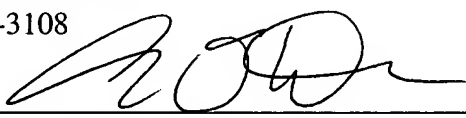
Respectfully submitted,

JASON DAVIS ET AL.

By their Representatives,

Cognex Corporation  
One Vision Drive  
Natick, MA 01760  
508-650-3108

Date July 20, 2005

By   
Arthur J. O'Dea  
Reg. No. 42952

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 20th day of July, 2005.

Cheryl Sloane  
Name

  
Signature

Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**  
 (Use as many sheets as necessary)



Complete if Known

Application Number	10/625,201
Filing Date	July 22, 2003
First Named Inventor	Davis, Jason
Group Art Unit	
Examiner Name	Unknown

Sheet 1 of 2

Attorney Docket No: C03-002

**US PATENT DOCUMENTS**

Examiner Initial *	Cite No. *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,933,516	08/03/1999	Tu, Peter H., et al.	
		US-US2002/0054699A1	05/09/2002	Roesch, Peter, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. *	Foreign Document No Country Code - Number - Kind Code (If known)	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		DE-DE 44 06 020 C 1	06/29/1995	Konen, Wolfgang, et al.		

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BELONGIE, S., et al., "Shape Matching and Object Recognition Using Shape Contexts", <u>IEEE Transactions on Pattern Analysis and Machine Intelligence</u> , IEEE Inc. New York, Vol. 24, No. 4, (April, 2003), 509 - 522	
		BILESCHI, S., et al., "Advances in Component-based Face Detection", <u>Lecture notes in Computer Science</u> , Springer Verlag, New York, NY, Vol. 2388, (2002), 135 - 143	
		BOOKSTEIN, F L., "Principal Warps: Thin-Plate Splines and the Decomposition of Deformations", <u>IEEE Transactions on pattern Analysis and Machine Intelligence</u> , IEEE Inc., New York, Vol. 11, No. 6, (6/1/1989),	
		FITZPATRICK, J M., et al., "Handbook of Medical Imaging", <u>Vol. 2: Medical image Processing and Analysis</u> , SPIE Press, Bellingham, WA, (2000), 447-513	

EXAMINER

DATE CONSIDERED

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/625,201
Filing Date	July 22, 2003
First Named Inventor	Davis, Jason
Group Art Unit	0
Examiner Name	Unknown

Sheet 2 of 2

Attorney Docket No: C03-002

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		OHM, JENS-RAINER , "Digitale Bildcodierung", <u>Springer Verlag, Berlin 217580, XP0002303066</u> , Section 6.2 Bewegungsschatzung,(1995),	
		STOCKMAN, G , et al., "Matching images to models for registration and object detection via clustering", <u>IEEE Transaction of Pattern Analysis and Machine Intelligence, IEEE Inc., New York, Vol. PAMI-4, No. 3, (1982),</u>	
		WEI, WEN , et al., "Recognition and Insprection of Two-Dimensional Industrial Parts Using Subpolygons", <u>Pattern Recognition, Elsevier, Kidlington, GB, Vol. 25, No. 12, (12/1/1992), 1427 - 1434</u>	
		ZHANG, ZHENGYOU , "Parameter estimation techniques: A tutorial with application to conic fitting", <u>Imag Vision Comput; Image and Vision computing; Elsevier Science Ltd, Oxford England, Vol. 15, No. 1, (1/1/1997),</u>	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached